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## **Education**

University of Texas at Dallas, Richardson TX, USA (1999-2002)  
PhD in Physics

University of Bucharest, Faculty of Physics, Romania (1990-1995)  
Degree in Physics, Nuclear Interactions and Elementary Particles

## **Teaching Experience**

Dallas County Community College District, Richland College, Dallas TX, USA (2006 – present)  
Instructional Associate

Dallas County Community College District, Richland College, Dallas TX, USA (2005 – present)  
Adjunct Physics Instructor

University of Texas at Dallas, Richardson TX, USA (2006 – 2010)  
Adjunct Assistant Professor of Physics

Instituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro, Italy (2002 – 2004)  
Research Associate

University of Texas at Dallas, Richardson TX, USA (1999-2002)  
Teaching/Research Assistant

National Institute for Physics and Nuclear Engineering, Bucharest, Romania (1995 – 2007)  
Scientific Researcher

## **Publications and Papers**

### **Refereed Publications**

1. Isomerism of low-lying states in  $^{86}\text{Y}$   
**C. Rusu**, D. Bucurescu, N. Marginean, M. Ionescu-Bujor, A. Iordachescu, G. Cata-Danil, I. Cata-Danil, D. Deleanu, D. Filipescu, D. Ghita, T. Glodariu, M. Ivascu, C. Mihai, R. Marginean, S. Pascu, T. Sava, L. Stroe, G. Suliman, and N.V. Zamfir  
Eur. Phys. J. A 44(31) 2010

2. In-beam gamma-ray spectroscopy and shell-model description of  $^{85,86}\text{Y}$  isotopes

**C. Rusu**, C.A. Ur, D. Bucurescu, A. Iordachescu, N. Marginean, G. Cata-Danil, I. Cata-Danil, M. Ionescu Bujor, M. Ivascu, D. Bazzacco, T. Kroll, S. Lenzi, S. Lunardi, R. Menegazzo, C. Rossi Alvarez, G. de Angelis, A. Gadea, and D. Napoli  
Nucl. Phys. A818(1) 2009

3. Study of the  $^{133}\text{Ba}$  nucleus with the (d, p) reaction

G. Suliman, D. Bucurescu, **C. Rusu**, R. Hertenberg, H.-F. Wirth, T. Faestermann, R. Krucken, T. Behrens, V. Bildstein, K. Eppinger, C. Hinke, M. Mahgoub, P. Meierbeck, M. Reithner, S. Schwertel, and N. Chauvin  
Eur. Phys. J. A 41(299) 2009

4. High-spin level structure in  $^{94,95}\text{Mo}$

Y. H. Zhang, M. Hasegawa, W. T. Guo, M. L. Liu, X. H. Zhou, G. de Angelis, T. M. Axiotis, A. Gadea, N. Marginean, T. Martinez, D. R. Napoli, **C. Rusu**, Zs. Podolyak, C. Ur, D. Bazzacco, F. Brandolini, S. Lunardi, S. M. Lenzi, R. Menegazzo, R. Schwengner, A. Gargano, W. von Oertzen, and S. Tazaki  
Phys. Rev. C 79(044316) 2009

5.  $\gamma$ -ray spectroscopy of the neutron-rich nuclei  $^{89}\text{Rb}$ ,  $^{92}\text{Y}$ , and  $^{93}\text{Y}$  with multinucleon transfer reactions

D. Bucurescu, **C. Rusu**, N. Mărginean, C. A. Ur, G. de Angelis, L. Corradi, D. Bazzacco, S. Beghini, F. Della Vedova, G. Duchene, E. Farnea, T. Faul, E. Fioretto, A. Gadea, W. Gelletly, B. Guiot, M. Ionescu-Bujor, A. Iordăchescu, S. D. Landown, S. M. Lenzi, S. Lunardi, P. Mason, C. Mihai, R. Mărginean, R. Menegazzo, G. Montagnoli, D. Napoli, Zs. Podolyák, P. H. Regan, F. Scarlassara, A. M. Stefanini, G. Suliman, S. Szilner, M. Trotta, J. J. Valiente-Dobón, and Y. H. Zhang  
Phys. Rev. C 76(064301) 2007

6. Shape coexistence in neutron-deficient Pb nuclei probed by quadrupole moment measurements

M. Ionescu-Bujor, A. Iordachescu, N. Marginean, C.A. Ur, D. Bucurescu, G. Suliman, D.L. Balabanski, F. Brandolini, S. Chmel, P. Detistov, K.A. Gladniskhi, H. Hubel, S. Mallion, R. Marginean, N.H. Medina, D.R. Napoli, G. Neyens, P. Pavan, R.V. Ribas, **C. Rusu**, K. Turzo, N. Vermeulen  
Phys. Lett. B 650(141) 2007

7. Yrast studies of  $^{80,82}\text{Se}$  using deep-inelastic reactions

G. A. Jones, P. H. Regan, Zs. Podolyák, N. Yoshinaga, K. Higashiyama, G. de Angelis, Y. H. Zhang, A. Gadea, C. A. Ur, M. Axiotis, D. Bazzacco, D. Bucurescu, E. Farnea, W. Gelletly, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, S. D. Langdown, S. Lenzi, S. Lunardi, N. Marginean, T. Martinez, N. H. Medina, R. Menegazzo, D. R. Napoli, B. Quintana, B. Rubio, **C. Rusu**, R. Schwengner, D. Tonev, J. J. Valiente Dobón, and W. von Oertzen  
Phys. Rev. C 76(054317) 2007

8. Gamma-ray spectroscopy of the nucleus  $^{139}\text{Ce}$

D. Bucurescu, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, R. Marginean, L. C. Mihailescu, **C. Rusu**, and G. Suliman  
Eur. Phys. J. A 27(301) 2006

9. Shape transitions far from stability: The nucleus  $^{58}\text{Cr}$

N. Marginean, S.M. Lenzi, A. Gadea, E. Farnea, S.J. Freeman, D.R. Napoli, D. Bazzacco, S. Beghini, B.R. Behera, P.G. Bizzeti, A. Bizzeti-Sona, D. Bucurescu, R. Chapman, L. Corradi, A.N. Deacon, G. de Angelis, F. Della Vedova, E. Fioretto, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, A. Latina, X. Liang, S. Lunardi, G. Montagnoli, R. Marginean, M. Nespolo, G. Pollarolo, **C. Rusu**, F. Scarlassara, J.F. Smith, K. Spohr, A.M. Stefanini, S. Szilner, M. Trotta, C.A. Ur, B.J. Varley, and W. Zhimin  
Phys. Lett. B 633(696) 2006

10. Search for signature inversion in the  $\pi_{13/2} \otimes \nu_{13/2}$  bands in  $^{182, 184, 186}\text{Au}$

Y.H.Zhang, X.H.Zhou, J.J.He, Z.Liu, Y.D.Fang W.T.Guo, X.G.Lei, Y.X.Guo, M.M.Ndontchueng, L.Ma, M.Oshima, Y.Toh, M.Koizumi, A.Osa, A.Kimura, Y.Hatsukawa, H.Hayakawa, T.Shizuma, J.Katakura, M.Matsuda, G.De Angelis, N.Marginean, A.Gadea, D.R.Napoli, M.Axiotis, **C.Rusu**, T.Martinez, T.Morikawa, M.Sugawara, H.Kusakari, F.R.Xu  
Int. J. Mod. Phys. E15(1437) 2006

11.  $^{108}\text{Sn}$  studied with intermediate-energy Coulomb excitation

A. Banu, J. Gerl, C. Fahlander, M. Górska, H. Grawe, T.R. Saito, H.-J. Wollersheim, E. Caurier, T. Engeland, A. Gniady, M. Hjorth-Jensen, F. Nowacki, T. Beck, F. Becker, P. Bednarczyk, M.A. Bentley, A. Bürger, F. Cristancho, G. de Angelis, Zs. Dombrádi, P. Doornenbal, H. Geissel, J. Grebosz, G. Hammond, M. Hellström, J. Jolie, I. Kojouharov, N. Kurz, R. Lozeva, S. Mandal, N. Marginean, S. Muralithar, J. Nyberg, J. Pochodzalla, W. Prokopowicz, P. Reiter, D. Rudolph, **C. Rusu**, N. Saito, H. Schaffner, D. Sohler, H. Weick, C. Wheldon, and M. Winkler  
Phys. Rev. C 72(061305) 2005

12. High-spin states of an odd-odd  $^{184}\text{Au}$  nucleus

Y.H. Zhang, Y.D. Fang, G. de Angelis, N. Marginean, A. Gadea, D.R. Napoli, M. Axiotis, **C. Rusu**, T. Martinez, H.L. Wang, X.H. Zhou, W.T. Guo, M.L. Liu, Y.X. Guo, X.G. Lei, M. Oshima, Y. Toh, and F.R. Xu  
J. Phys. G (Nucl. Part. Phys.) 31, No 10 (S1545) 2005

13. Test of the critical point symmetry X(5) in the mass A = 180 region

A. Dewald, O. Möller, B. Saha, K. Jessen, A. Fitzler, B. Melon, T. Pissulla, S. Heinze, J. Jolie, K.O. Zell, P. von Brentano, P. Petkov, S. Harissopoulos, G. de Angelis, T. Martinez, D.R. Napoli, N. Marginean, M. Axiotis, **C. Rusu**, D. Tonev, A. Gadea, Y.H. Zhang, D. Bazzacco, S. Lunardi, C.A. Ur, R. Menegazzo, and E. Farnea  
J. Phys. G (Nucl. Part. Phys.) 31, No 10 (S1427) 2005

14. The CLARA-PRISMA setup installed at LNL: first results

A. Gadea, N. Marginean, L. Corradi, S.M. Lenzi, C.A. Ur, E. Farnea, G. de Angelis, E. Fioretto, D.R. Napoli, A.M. Stefanini, S. Szilner, M. Axiotis, B.R. Behera, A. Latina, **C. Rusu**, W. Zhimin, D. Bazzacco, S. Beghini, S. Lunardi, G. Montagnoli, R. Menegazzo, F. Scarlassara, F. Della Vedova, M. Nespolo, A. Bracco, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, M. Trotta, P.G. Bizzeti, A.M. Bizzeti-Sona, D. Curien, P. Medina, M. Chambit, R. Chapman, X. Liang, S.J. Freeman, A. Smith, B.J. Varley, V. Pucknell, and R. Lemmon  
J. Phys. G (Nucl. Part. Phys.) 31, No 10 (S1443) 2005

15. First identification of excited states and shell model description of the  $N=Z+1$  nucleus  $^{91}\text{Rh}$   
N. Marginean, **C. Rusu**, D. Bucurescu, C. Rossi Alvarez, C.A. Ur, D. Bazzacco, Lunardi, P. Pavan, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, Th. Kroll, S.M. Lenzi, T. Martinez, R. Menegazzo, D.R. Napoli, B. Quintana, P. Spolaore, Y.H. Zhang, J. Wrzesinski  
Phys. Rev. C 72(014302) 2005
16. Investigation of high-spin states in  $^{53}\text{Fe}$   
R. du Rietz, S. J. Williams, D. Rudolph, J. Ekman, C. Fahlander, C. Andreoiu, M. Axiotis, M. A. Bentley, M. P. Carpenter, C. Chandler, R. J. Charity, R. M. Clark, M. Cromaz, A. Dewald, G. de Angelis, F. Della Vedova, P. Fallon, A. Gadea, G. Hammond, E. Ideguchi, S. M. Lenzi, A. O. Macchiavelli, N. Marginean, M. N. Mineva, O. Möller, D. R. Napoli, M. Nespolo, W. Reviol, **C. Rusu**, B. Saha, D. G. Sarantites, D. Seweryniak, D. Tonev, and C. A. Ur  
Phys. Rev. C 72(014307) 2005
17. High-spin states in the nuclei  $^{91}\text{Y}$  and  $^{95}\text{Nb}$   
D. Bucurescu, Zs. Podolyak, **C. Rusu**, G. de Angelis, Y.H. Zhang, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, R. Marginean, L.C. Mihailescu, G.A. Suliman, P. Regan, B. Gelletly, S. Langdown, J.J. Valiente Dobon, D. Bazzacco, S. Lunardi, C.A. Ur, M. Axiotis, A. Gadea, E. Farnea, M. Ionescu-Bujor, A. Iordachescu, Th. Kroll, T. Martinez, P.G. Bizzetti, R. Broda, N.H. Medina, B. Quintana, and B. Rubio  
Phys. Rev. C 71(034315) 2005
18. High-spin level scheme of  $^{183}\text{Au}$   
L. T. Song, X. H. Zhou, Y. H. Zhang, G. de Angelis, N. Marginean, A. Gadea, D. R. Napoli, M. Axiotis, **C. Rusu**, T. Martinez, Y. X. Guo, X. G. Lei, Y. Zheng, and M. L. Liu  
Phys. Rev. C 71(017302) 2005
19. Lifetime measurements of normal deformed states in  $^{165}\text{Lu}$   
K. Andgren, Zs. Podolyák, A. Dewald, F. R. Xu, A. Algora, M. Axiotis, D. Bazzacco, P. G. Bizzetti, A. M. Bizzetti-Sona, B. Cederwall, G. de Angelis, E. Farnea, A. Fitzler, A. Gadea, W. Gelletly, S. Lunardi, O. Möller, N. Marginean, T. Martinez, T. Pissulla, **C. Rusu**, C. A. Ur, R. Venturelli, P. M. Walker, and C. Wheldon  
Phys. Rev. C 71(014312) 2005
20. Properties of the  $(\pi_{13/2} \otimes \nu_{13/2})$  band in odd-odd  $^{184}\text{Au}$   
Y. H. Zhang, Y. D. Fang, G. de Angelis, N. Marginean, A. Gadea, D. R. Napoli, M. Axiotis, **C. Rusu**, T. Martinez, H. L. Wang, X. H. Zhou, W. T. Guo, M. L. Liu, Y. X. Guo, X. G. Lei, M. Oshima, and Y. Toh  
Phys. Rev. C 70(057303) 2004
21. First identification of excited states in the  $N=Z+1$  nucleus  $^{89}\text{Ru}$   
N. Marginean, **C. Rusu**, D. Bucurescu, C. Rossi Alvarez, C.A. Ur, D. Bazzacco, S. Lunardi, P. Pavan, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, Th. Kroll, S.M. Lenzi, T. Martinez, R. Menegazzo, D.R. Napoli, B. Quintana, P. Spolaore, Y.H. Zhang, and J. Wrzesinski  
Phys. Rev. C 70(044302) 2004
22. Effective charges in the fp shell  
R. du Rietz, J. Ekman, D. Rudolph, C. Fahlander, A. Dewald, O. Möller, B. Saha, M. Axiotis, M. A. Bentley, C. Chandler, G. de Angelis, F. Della Vedova, A. Gadea, G. Hammond, S. M. Lenzi, N. Marginean, D. R. Napoli, M. Nespolo, **C. Rusu**, and D. Tonev  
Phys. Rev. Lett. 93(222501) 2004

23. Stability of the N=50 shell gap in neutron-rich Rb, Br, Se, and Ge isotones

Y. H. Zhang, Zs. Podolyak, G. de Angelis, A. Gadea, C. Ur, S. Lunardi, N. Marginean, **C. Rusu**, R. Schwengner, Th. Kroll, D. R. Napoli, R. Menegazzo, D. Bazzacco, E. Farnea, S. Lenzi, T. Martinez, M. Axiotis, D. Tonev, W. Gelletly, S. Langdown, P. H. Regan, J. J. Valiente Dobon, W. von Oertzen, B. Rubio, B. Quintana, N. Medina, R. Broda, D. Bucurescu, M. Ionescu-Bujor, and A. Iordachescu  
Phys. Rev. C 70(024301) 2004

24. High-spin states in  $^{90}\text{Ru}$  and the projected shell model description

D. Bucurescu, N. Marginean, C. Rossi Alvarez, Y. Sun, C. A. Ur, L. C. Mihailescu, G. Suliman, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, Th. Kroll, S. M. Lenzi, T. Martinez, R. Menegazzo, D. R. Napoli, P. Pavan, Zs. Podolyak, **C. Rusu**, M. De Poli, B. Quintana, and P. Spolaore  
Phys. Rev. C 69(064319) 2004

25. First identification of yrast decay and shell model description of the N=Z+1 nucleus  $^{93}\text{Pd}$

**C. Rusu**, N. Marginean, D. Bucurescu, C. Rossi Alvarez, C.A. Ur, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, Th. Kroll, S.M. Lenzi, T. Martinez, R. Menegazzo, D.R. Napoli, P. Pavan, M. De Poli, B. Quintana, and J. Wrzesinski  
Phys. Rev. C 69(024307) 2004

26. Identification of oblate band in odd-odd  $^{184}\text{Au}$

Y.H. Zhang, H.L. Wang, G. de Angelis, N. Marginean, A. Gadea, D. R. Napoli, M. Axiotis, **C. Rusu**, T. Martinez, X.H. Zhou, W.T. Guo, M.L. Liu, X.G. Lei, Y.X. Guo, and F.R. Xu  
Chinese Phys. Lett. 21 No 5 (May 2004) 799-801

27. Coupling a CLOVER detector array with the PRISMA magnetic spectrometer. Investigation of moderately neutron-rich nuclei populated by multinucleon transfer and deep inelastic collisions.

A. Gadea, D. R. Napoli, G. de Angelis, R. Menegazzo, A. M. Stefanini, L. Corradi, M. Axiotis, L. Berti, E. Fioretto, T. Kroell, A. Latina, N. Marginean, G. Maron, T. Martinez, D. Rosso, **C. Rusu**, N. Toniolo, S. Szilner, M. Trotta, D. Bazzacco, S. Beghini, M. Bellato, F. Brandolini, E. Farnea, R. Isocrate, S. M. Lenzi, S. Lunardi, G. Montagnoli, P. Pavan, C. Rossi Alvarez, F. Scarlassara, C. Ur, N. Blasi, A. Bracco, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, A. DeRosa, G. Inglima, M. La Commara, G. La Rana, D. Pierroutsakou, M. Romoli, M. Sandoli, P. G. Bizzeti, A. M. Bizzeti-Sona, G. Lo Bianco, C. M. Petrache, A. Zucchiatti, P. Cocconi, B. Quintana, Ch Beck, D. Curien, G. Duchene, F. Haas, P. Medina, P. Papka, J. Durell, S. J. Freeman, A. Smith, B. Varley, K. Fayz, V. Pucknell1, J. Simpson, W. Gelletly, P. Regan, The EUROBALL and PRISMA-2 Collaboration  
Eur. Phys. J. A 20(193) 2004

28. Yrast isomers in  $^{95}\text{Ag}$ ,  $^{95}\text{Pd}$ , and  $^{94}\text{Pd}$

N. Marginean, D. Bucurescu, C. Rossi Alvarez, C. A. Ur, L. D. Skouras, L. P. Johnstone, D. Bazzacco, S. Lunardi, G. de Angelis, M. Axiotis, E. Farnea, A. Gadea, M. Ionescu-Bujor, A. Iordachescu, W. Krolas, Th. Kroll, S. M. Lenzi, T. Martinez, R. Marginean, R. Menegazzo, D. R. Napoli, P. Pavan, M. De Poli, B. Quintana, **C. Rusu**, P. Spolaore, and J. Wrzesinski  
Phys. Rev. C 67(061301) 2003

29. High-spin states in the  $^{97}\text{Tc}$  nucleus

D. Bucurescu, A. Gadea, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, **C. Rusu**, L. Stroe, and C.A. Ur  
Eur. Phys. J. A 16(4) 2003

30. Tunable synchrotron radiation used to induce gamma-emission from the 31 year isomer of  $^{178}\text{Hf}$   
C.B. Collins, N.C. Zoita, **A.C. Rusu**, M.C. Iosif, D.T. Camase, F. Davanloo, S. Emura, T. Uruga, R. Dussart, J.M. Pouvesle, C.A. Ur, I.I. Popescu, V.I. Kirischuk, N.V. Strilchuk, and F.J. Agee  
Eur. Phys. Lett., 57(5) 2002
31. Gamma-ray transitions induced in nuclear spin isomers by x-rays  
C.B. Collins, **A.C. Rusu**, N.C. Zoita, M.C. Iosif, D.T. Camase, F. Davanloo, C.A. Ur, I.I. Popescu, J.M. Pouvesle, R. Dussart, V.I. Kirischuk, N.V. Strilchuk, and F.J. Agee  
Hyper. Int. 135(1-4) 2001
32. High-spin states in the  $^{96}\text{Tc}$  nucleus  
D. Bucurescu, G. Cata-Danil, I. Cata-Danil, M. Ivascu, N. Marginean, **C. Rusu**, L. Stroe, C.A. Ur, A. Gizon, J. Gizon, B. Nyako, J. Timar, L. Zolani, A.J. Boston, D.T. Joss, E.S. Paul, A.T. Semple, and C.M. Parry  
Eur. Phys. J. A 10(3) 2001
33. Gamma-ray transitions induced in nuclear spin isomers by x-rays  
C.B. Collins, N.C. Zoita, **A.C. Rusu**, M.C. Iosif, D.T. Camase, F. Davanloo, F.J. Agee, J.M. Pouvesle, R. Dussart, C.A. Ur, I.I. Popescu, V.I. Kirischuk, and N.V. Strilchuk  
J. Phys. IV 11 (PR2): 437-440 JUL 2001
34. Scalling of gamma-ray transition induced in nuclear spin isomers by x-rays  
C.B. Collins, N.C. Zoita, **A.C. Rusu**, M.C. Iosif, D.T. Camase, F. Davanloo, J.M. Pouvesle, R. Dussart, V.I. Kirischuk, N.V. Strilchuk, C.A. Ur, I.I. Popescu, and F.J. Agee,  
Laser Phys. 11(1) 2001
35. Gamma emission from the 31-yr isomer of  $^{178}\text{Hf}$  induced by x-ray irradiation  
C.B. Collins, F. Davanloo, **A.C. Rusu**, M.C. Iosif, N.C. Zoita, D.T. Camase, J.M. Hicks, S.A. Karamian, C.A. Ur, I.I. Popescu, R. Dussart, J.M. Pouvesle, V.I. Kirischuk, N.V. Strilchuk, P. McDaniel, and C.E. Crist  
Phys. Rev. C 61(054305) 2000
36. Global analysis in the study of the hydrodynamic behaviour of the relativistic nuclear collisions  
C. Beşliu, A. Jipa, **C. Rusu**, and R. Zaharia  
Rom. Rep. Phys. 48(1996)

## Contributions to Conferences, Workshops, and Technical Notes

### 1. The CLARA-PRISMA setup installed at LNL: first results

A. Gadea, N. Marginean, L. Corradi, S.M. Lenzi, C. Ur, E. Farnea, G. de Angelis, E. Fioretto, D.R. Napoli, A.M. Stefanini, S. Szilner, M. Axiotis, B.R. Behera, A. Latina, **C. Rusu**, W. Zhimin, D. Bazzacco, S. Beghini, S. Lunardi, G. Montagnoli, R. Menegazzo, F. Scarlassara, F. Della Vedova, M. Nespolo, A. Bracco, F. Camera, S. Leoni, B. Million, M. Pignanelli, G. Pollarolo, M. Trotta, P.G. Bizzeti, A.M. Bizzeti-Sona, D. Curien, P. Medina, M. Chambit, R. Chapman, X. Liang, S.R. Freeman, A. Smith, B.J. Varley, V. Pucknell, and R. Lemmon

NUSTAR'05: International Conference on the Interface between Nuclear Structure, Astrophysics and Reactions, January 5-8, 2005

University of Surrey, Guildford, UK

### 2. Test of the critical point symmetry X(5) in the A=150, 180 mass region

A. Dewald, A. Fitzler, O. Moller, B. Saha, K. Jessen, J. Jolie, K.O. Zell, P. von Brentano, R.F. Casten, N.V. Zamfir, P. Petkov, S. Harissopulos, D.R. Napoli, N. Marginean, M. Axiotis, **C. Rusu**, D. Tonev, D. Bazzacco, S. Lunardi, C.A. Ur, R. Menegazzo, and E. Farnea

NUSTAR'05: International Conference on the Interface between Nuclear Structure, Astrophysics and Reactions, January 5-8, 2005

University of Surrey, Guildford, UK

### 3. High-spin states of odd-odd $^{184}\text{Au}$ nucleus

Y.H. Zhang, Y.D. Fang, G. de Angelis, N. Marginean, A. Gadea, D.R. Napoli, M. Axiotis, **C. Rusu**, T. Martinez, H.L. Wang, X.H. Zhou, W.T. Guo, M.L. Liu, Y.X. Guo, X.G. Lei, M. Oshima, Y. Toh, and F.R. Xu

NUSTAR'05: International Conference on the Interface between Nuclear Structure, Astrophysics and Reactions, January 5-8, 2005

University of Surrey, Guildford, UK

### 4. Test of the Critical Point Symmetry X(5) in the A=150,180 Regions

O. Moeller, A. Dewald, A. Tizler, K. Jessen, D. Tonev, J. Jolie, K.O. Zell, P. von Brentano, R.F. Casten, N.V. Zamfir, P. Petkov, F. Harissopulos, D.R. Napoli, N. Marginean, M. Aiotis, **C. Rusu**, D. Bazzaco, S. Lunardi, C.A. Ur, R. Menegazzo, and E. Farnea

International Nuclear Physics Conference INPC 2004, June 27 - July 2, 2004

Goteborg, Sweden

### 5. Chirality of Nuclear Rotation in Real Nuclei

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